

FILTEX® HT I/PP 6502 (High tenacity PP fibers, needle punched geotextile)



**NORMATIVE REFERENCES : PN-EN 13249:2002/A1:2006 ; PN-EN 13251:2002/A1:2006 ; PN-EN 13252:2002/A1:2006
PN-EN 13253:2002/A1:2006 ; PN-EN 13255:2002/A1:2006 ; PN-EN 13257:2002/A1:2006**

TECHNICAL PROPERTIES	ENGINEERING SPECIFICATIONS									TEST METHOD
	TYPE OF GEOTEXTILE									
	TYPE 150	TYPE 200	TYPE 300	TYPE 400	TYPE 500	TYPE 600	TYPE 800	TYPE 1000	TYPE 1200	
1	2	3	4	5	6	7	8	9	10	11
Mass per unit area [g/m ²] Tolerance ± 10%	150	200	300	400	500	600	800	1000	1200	PN-EN ISO 9864 : 2007
Thickness [mm] 2 kPa 20 kPa 200 kPa Tolerance ± 10%	2,7 1,5 0,7	3,6 2,3 1,0	4,5 3,1 1,5	4,7 3,5 1,8	5,0 4,0 2,2	5,3 4,3 2,5	7,0 5,8 3,7	8,0 6,7 4,5	8,5 6,9 5,0	PN-EN ISO 9863-1:2007
Tensile strength [kN/m] MD ≥ CMD ≥	4,0 6,0	6,0 15,0	11,0 30,0	16,0 40,0	21,0 45,0	26,0 60,0	38,0 75,0	42,0 80,0	50,0 100,0	PN-EN ISO 10319:2008
Elongation at maximum load [%] Tolerance ± 20% MD CMD	130,0 110,0	130,0 80,0	130,0 80,0	110,0 80,0	95,0 75,0	95,0 75,0	90,0 65,0	90,0 65,0	90,0 65,0	PN-EN ISO 10319:2008
Static puncture resistance CBR test [kN] ≥	1,10	1,90	2,80	3,80	4,80	6,20	9,00	10,00	12,00	PN-EN ISO 12236:2007
Dynamic puncture resistance cone drop test diameter [mm] ≤	10,0	7,0	4,0	3,0	2,0	1,5	brak	brak	brak	PN-EN ISO 13433:2007

1	2	3	4	5	6	7	8	9	10	11
Permeability normal to the plane Velocity index VI_{ISO} [m/s]	(5,9±0,2) x 10⁻²	(5,6±0,4) x 10⁻²	(5,2±0,2) x 10⁻²	(3,7±0,3) x 10⁻²	(3,2±0,3) x 10⁻²	(2,8±0,3) x 10⁻²	(2,5±0,2) x 10⁻²	(1,4±0,3) x 10⁻²	(1,2 ±0,3) x 10⁻²	PN-EN ISO 11058:2002
In-plane water flow capacity the volumetric flow rate per unit width specimen [m³/s] for hydraulic gradient i = 0,1 20 kPa ≥ 100 kPa ≥ 200 kPa ≥ for hydraulic gradient i = 1 20 kPa ≥ 100 kPa ≥ 200 kPa ≥	3,1 x 10⁻⁶	2,0 x 10⁻⁶	3,4 x 10⁻⁶	2,4 x 10⁻⁶	2,0 x 10⁻⁶	2,5 x 10⁻⁶	2,6 x 10⁻⁶ 8,8 x 10⁻⁷	2,4 x 10⁻⁶	1,7 x 10⁻⁶	PN-EN ISO 12958:2002
	7,2 x 10⁻⁷	7,8 x 10⁻⁷	8,3 x 10⁻⁷	6,2 x 10⁻⁷	8,3 x 10⁻⁷	8,4 x 10⁻⁷	2,2 x 10⁻⁷	1,2 x 10⁻⁶	1,3 x 10⁻⁶	
	5,1 x 10⁻⁷	4,9 x 10⁻⁷	6,1 x 10⁻⁷	3,9 x 10⁻⁷	5,9 x 10⁻⁷	3,7 x 10⁻⁷	1,2 x 10⁻⁵	2,7 x 10⁻⁷	2,8 x 10⁻⁷	
	1,1 x 10⁻⁵	6,8 x 10⁻⁵	9,1 x 10⁻⁶	1,0 x 10⁻⁵	1,2 x 10⁻⁵	1,1 x 10⁻⁵	6,4 x 10⁻⁶	1,3 x 10⁻⁵	1,3 x 10⁻⁵	
	2,4 x 10⁻⁶	1,8 x 10⁻⁶	3,1 x 10⁻⁶	3,5 x 10⁻⁶	4,5 x 10⁻⁶	4,4 x 10⁻⁶	1,0 x 10⁻⁶	6,4 x 10⁻⁶	7,3 x 10⁻⁶	
	1,4 x 10⁻⁶	1,6 x 10⁻⁶	2,6 x 10⁻⁶	2,8 x 10⁻⁶	2,8 x 10⁻⁶	1,8 x 10⁻⁶		2,6 x 10⁻⁶	2,8 x 10⁻⁶	
Opening size 0₉₀ [mm] tolerance ± 20%	0,15	0,15	0,085	0,08	0,08	0,08	0,075	0,07	0,065	PN-EN ISO 12956:2002

Note !

The values given are an average obtained in our laboratories and in official testing institutes.

The right is reserved to make changes any time without notice.

Legend : MD = Machine Direction ; CMD = Cross Machine Direction.